

**NEMATODES FROM FISH FROM THE KEPPEL ISLANDS, KEPPEL BAY, QUEENSLAND.** *Memoirs of the Queensland Museum* 45(2): 384. 2000:- Seventy six fishes comprising 24 species collected (by members of the Capricorn Scuba Club) from three sites; the waters off Ross Reef (23°03'S, 150°22'E), Barron Island (23°08'S, 151°03'E) and North Keppel Island (23°04'S, 150°53'E) in Keppel Bay on the central Queensland coast, were examined for nematodes. Thirteen species of nematode, all new locality records, were found (Table 1). No nematodes were found in *Choerodon venustus* De Vis or *Acanthurus dussumieri* Valenciennes and only unidentifiable larvae in *Siganus lineatus* (Valenciennes). Names of the fish hosts follow Randell, et. al. (1990). Ascaridoid larvae were identified following Cannon (1977) but citing *Thynnascaris* as a synonym of *Hysterothylacium* (Deardorff & Overstreet, 1981). Comparisons between the fish examined in this study and from Heron Island (Lester & Sewell, 1989) showed differences in the nematode communities. Of five nematode species recorded from Heron Island two, *Philometra* sp. and *Metabronema magna*, were not present in Keppel Bay.

*Cucullanus* sp. and *Hysterothylacium* sp. larvae were found in *C. venustus* at Heron Island but not Keppel Bay, while *Terranova* sp. larvae was found only in *Epinephalus ongus* at Heron Island.

#### Literature Cited

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TABLE 1. Nematode parasites found in 24 species of fish collected in Keppel Bay, September 1989 to July 1990. b = body wall, in = intestine, li = liver, me = mesentery, st = stomach.

Parasite Taxon	Site	Host Species	Parasite Taxon	Site	Host Species
<b>Trichuridae</b>			<i>cont.</i>		<i>Kyphosus</i> sp.
<i>Capillaria</i> sp.	st.	<i>Caranx ignobilis</i> (Forsskal)			<i>P. batavianus</i>
	in.	<i>Diagramma pictum</i> (Thunberg)			<i>P. tiera</i>
		<i>Epinephalus ongus</i> (Bloch)			<i>Pl. schotaf</i>
		<i>E. tauvina</i> (Forsskal)			<i>Plectropomus leopardus</i> (Lacépède)
		<i>Kyphosus</i> sp.	<i>Terranova</i> sp.	in.	<i>C. ignobilis</i>
		<i>Plectorhinchus flavomaculatus</i> (Cuvier)	larva type 11	me.	<i>Choerodon schoenleinni</i> (Valenciennes)
		<i>Pl. gibbosus</i> (Lacépède)			<i>Cr. altivelis</i>
		<i>Pl. schotaf</i> (Forsskal)			<i>D. pictum</i>
<b>Cucullanidae</b>					<i>E. cyanopodus</i>
<i>Cucullanus australiensis</i> Baylis 1927	in.	<i>C. ignobilis</i>			<i>E. ongus</i>
		<i>D. pictum</i>			<i>E. tauvina</i>
		<i>Pl. schotaf</i>			<i>Kyphosus</i> sp.
<i>Dichelyne</i> ( <i>Dichelyne</i> ) sp.	in.	<i>Pl. gibbosus</i>			<i>Lutjanus carponotatus</i> (Richardson)
<b>Anisakidae</b>					<i>L. russelli</i> (Bleeker)
<i>Anisakis</i> sp. larva type 1	li.	<i>Pl. schotaf</i>			<i>Naso hexacanthus</i> (Bleeker)
		<i>D. pictum</i>			<i>N. unicornis</i> (Forsskal)
<i>Contracaecum</i> sp. larva type 11	in.	<i>C. ignobilis</i>			<i>P. tiera</i>
		<i>E. cyanopodus</i> Richardson			<i>P. batavianus</i>
<i>Hysterothylacium</i> sp. larva type 11		<i>Pl. flavomaculatus</i>			<i>Pl. flavomaculatus</i>
<i>Hysterothylacium</i> sp. larva type 111	me.	<i>Cramileptes altivelis</i> (Valenciennes)			<i>Pl. gibbosus</i>
	in.	<i>E. cyanopodus</i>			<i>Pl. schotaf</i>
		<i>E. tauvina</i>			<i>S. sordidus</i> (Forsskal)
		<i>Hemigymnus melapterus</i> (Block)	<b>Camallanidae</b>		
		<i>Kyphosus</i> sp.	<i>Procamallanus lonis</i> Cribb, 1989		<i>P. batavianus</i>
		<i>Pl. flavomaculatus</i>	<i>Camallanus</i> sp.	st.	<i>Pl. flavomaculatus</i>
		<i>Pl. gibbosus</i>	<b>Cvsticolidae</b>		
		<i>Pl. schotaf</i>	<i>Ascarophis</i> sp.	st.	<i>D. pictum</i>
		<i>Platex batavianus</i> (Cuvier)			<i>E. cyanopodus</i>
		<i>P. tiera</i> (Forsskal)			<i>E. tauvina</i>
		<i>Scarus rivulatus</i>			<i>N. unicornis</i>
<i>Hysterothylacium</i> sp. larva type 1V	me.	<i>C. ignobilis</i>			<i>Pl. gibbosus</i>
	in.	<i>D. pictum</i>	<i>Cristitectus</i> sp. larvae	in.	<i>Pl. schotaf</i>
	st.	<i>H. melapterus</i>			<i>N. unicornis</i>